

WHAT IS CLAIMED IS:

1. A process for treating liquid manure comprising:

homogenizing the liquid manure;

5 introducing the homogenized liquid manure into a tank at a relatively constant flow rate into which a tertiary or quaternary polymeric flocculent is introduced phase in an amount of between 80 ppm and 140 ppm and stirring for a time ranging from 5 to 15 minutes to bring about the interchange of electrons in the electrostatic layers close to the potentials of the electrostatic shearing plane, so that molecular bridges are formed and the colloids and solids in suspension are flocculated;

separating the solids;

10 eliminating the liquid entrained with the solid phase out by flotation and coalescence of colloidal particles; and

removing suspended solids from the liquid.

2. The process as claimed in claim 1, wherein a bactericidal substance is added following the formation and separation of the solid and the liquid phases.

3. The process as claimed in claim 2, wherein the flocculant comprises an aqueous solution of a cationic polymer at a concentration of between 3 and 4 grams per liter of water employed, and is directly mixed with the liquid manure.

4. The process as claimed in claim 1, wherein the cationic polymer is polyacrylamide.

5. The process as claimed in claim 1, wherein the flocculant comprises an aqueous solution of a cationic polymer at a concentration of between 3 and 4 grams per liter of water employed, and is directly mixed with the liquid manure.

6. The process as claimed in claim 5, wherein the cationic polymer is polyacrylamide.

7. The process as claimed in claim 1, wherein the cationic polymer is polyacrylamide.